

MOBILE CRANE SUBSTRUCTURE

CLAIMS

1. A mobile crane substructure with a crawler travel gear arrangement (3) comprising a chassis frame (4) and four individual crawler travel gear elements (5) which are held on bearings located on the chassis frame (4), characterised in that the chassis frame (4) comprises two transverse through-girders (7), with one of the individual crawler gear elements (5) being attached at each end of said transverse through-girders (7), and in that said chassis frame (4) further comprises a centre section (6) of the frame, which centre section (6) interconnects the two transverse girders (7).
2. The mobile crane substructure according to the preceding claim, wherein the individual crawler gear elements (5) are detachably attached, in particular bolted on, to the transverse girders (7).
3. The mobile crane substructure according to one of the preceding claims, wherein the transverse girders (7) are detachably attached, in particular bolted on, to the centre section (6) of the frame.
4. The mobile crane substructure according to any one of the preceding claims, wherein the individual crawler gear elements (5) are rigidly attached to the transverse girders (7), and wherein the transverse girders (7) are preferably torsion bars.
5. The mobile crane substructure according to any one of the preceding claims, wherein the centre section (6) of the frame supports a pivot bearing (2), in particular a live ring, on which the superstructure of the mobile crane is held so as to be rotatable on an upright axis.
6. The mobile crane substructure according to any one of the preceding claims, wherein the transverse girders (7) are essentially straight and extend at right angles to the direction of travel of the crawler gear elements (5).

7. The mobile crane substructure according to any one of the preceding claims, wherein the transverse girders (7) and/or the centre section (6) of the frame are/is each designed as a steel-plate box profile.
8. The mobile crane substructure according to any one of the preceding claims, wherein the centre section (6) of the frame comprises plate-shaped, laterally extending, vertical, longitudinal girders (8) which are interconnected by transverse profiles (9) and which protrude in longitudinal direction beyond said transverse profiles (9), wherein fork-shaped bearing lugs (14) are provided on the transverse girders (7), with the protruding plate-shaped longitudinal girders (8) of the centre section (6) of the frame being seated between said fork-shaped bearing lugs (14), and with said longitudinal girders (8) being bolted to said fork-shaped bearing lugs (14).
9. The mobile crane substructure according to any one of the preceding claims, wherein the individual crawler gear elements (5) are arranged in two tracks.